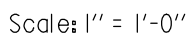
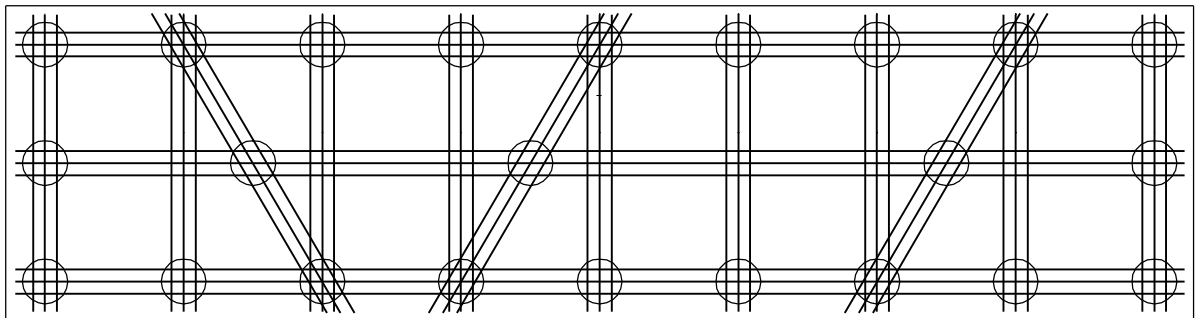
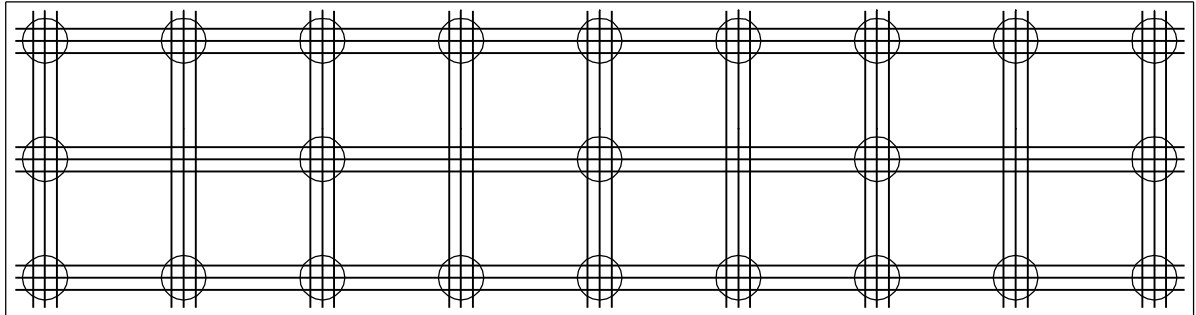
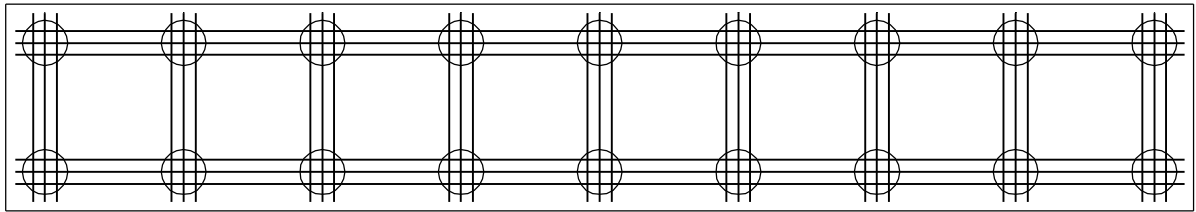
Scale:  $1'' = 1'-0''$ 

SHEET 1 OF 1



### TYPICAL PIER FOOTING PLANS

Scale:  $\frac{3}{16}$ "=1'-0"

#### Notes:

1. All rebars shall be 3-#6 @ 4" c/c.
2. Lower mat of bars shall be 3" (vertical) above top of center line of pile.
3. All piles shall be crossed at least twice.
4. The direction taken by bars shall wherever possible be, the shortest distance between piles.
5. In all cases the total pattern shall be shown on Contract Documents.
6. 0 denotes all piling, cast-in-place, steel H piles, etc. When showing on Contract Documents H piles shall be shown with the normal "H" symbol.
7. In laying out pile plan, if possible, piles shall be positioned to minimize need for diagonal bars.
8. A note in area of rebar pattern shall appear on Contract Documents as follows "Shop plans shall show how rebars are to be tied as well as how they will be held in place above piling while pour is being made."

FOR OFFICE USE ONLY

APPROVAL	
<i>L. S. Friedman</i> DIRECTOR OFFICE OF STRUCTURES	
DATE: 10/14/82	
REVISIONS	
SHA	FHWA
1-22-01	

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF STRUCTURES

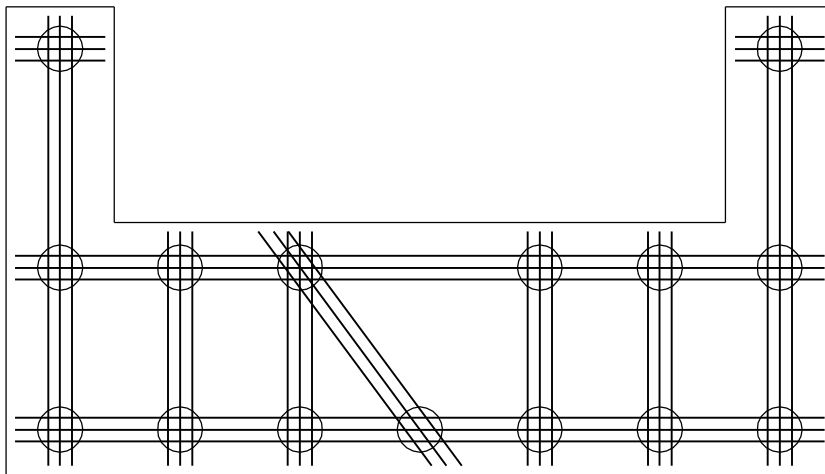
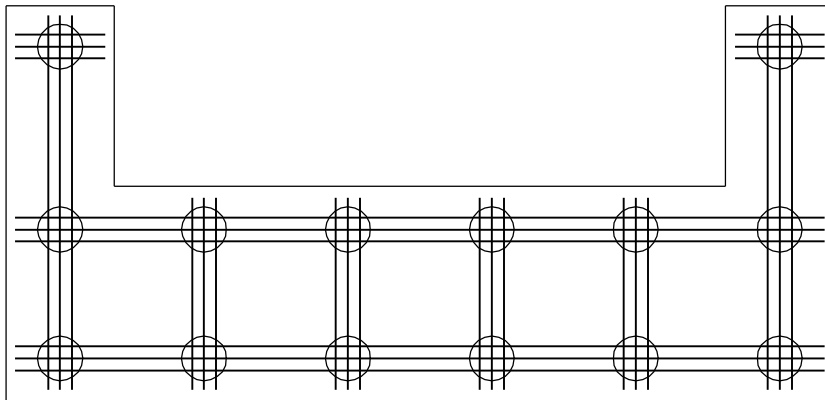
REBAR MAT PATTERN OVER PILING

FHWA APPROVAL  
DATE:

STANDARD NO. BR-SB(6.04)-82-132

SHEET 1 OF 3

SUBSTRUCTURE-GENERAL



# TYPICAL ABUTMENT FOOTING PLANS

Scale:  $\frac{3}{16}$ "=1'-0"

See notes on Sheet 1 of 3.

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APPROVAL	
<i>L.S. Friedman</i> DIRECTOR OFFICE OF STRUCTURES	
DATE: 10/14/82	
REVISIONS	
SHA	FHWA
11-30-87	.
3-22-89	.
1-22-01	.
FHWA APPROVAL	
DATE:	

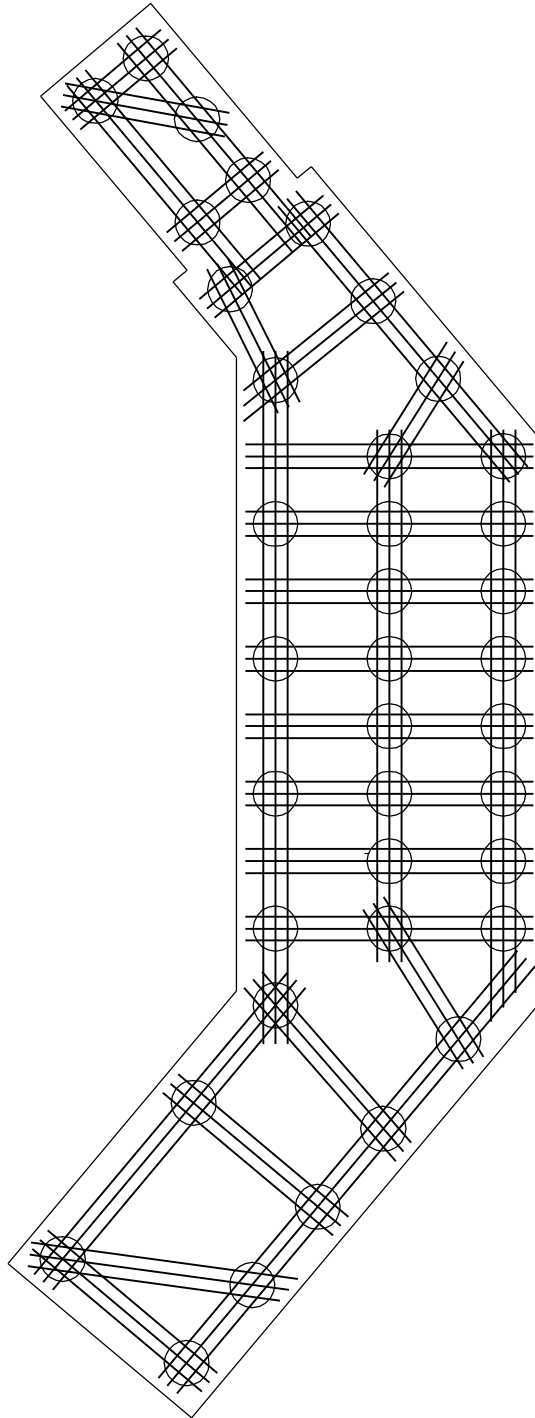
STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF STRUCTURES

REBAR MAT PATTERN OVER PILING

STANDARD NO. BR-SB(6.04)-82-132

SHEET 2 OF 3

SUBSTRUCTURE-GENERAL



TYPICAL ABUTMENT FOOTING PLAN

Scale:  $\frac{3}{16}$ " = 1'-0"

See notes on Sheet 1 of 3.

FOR OFFICE USE ONLY

APPROVAL	
<i>E.S. Fadden</i> DIRECTOR OFFICE OF STRUCTURES DATE: 10/14/82	
REVISIONS	
SHA	FHWA
1-22-01	.
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.	.

FHWA APPROVAL
DATE: .

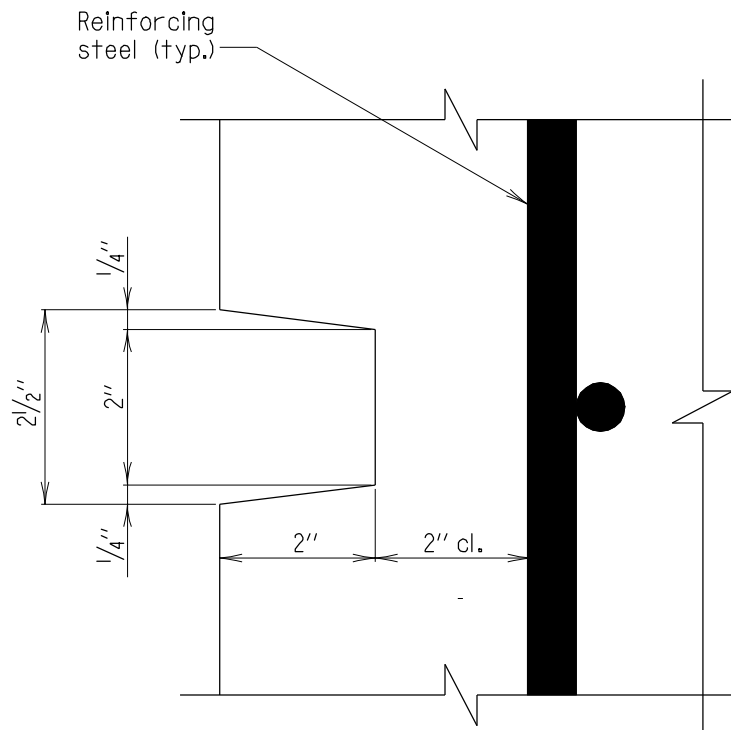
STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF STRUCTURES

REBAR MAT PATTERN OVER PILING

STANDARD NO. BR-SB(6.04)-82-132

SHEET 3 OF 3

SUBSTRUCTURE-GENERAL



# GROOVE DETAIL

Scale: None

APPROVAL	
<i>E.S. Friedman</i> DIRECTOR OFFICE OF STRUCTURES	
DATE: 3/14/94	
REVISIONS	
SHA	FHWA
.	.
.	.
.	.
FHWA APPROVAL	.
DATE:	.

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF STRUCTURES

GROOVE DETAIL FOR  
SUBSTRUCTURE ELEMENTS

STANDARD NO. BR-SB(6.4I)-94-299

SHEET 1 OF 1

SUBSTRUCTURE - GENERAL